

Converting Colors

XYZ(59.7593, 56.0378, 15.0748)

Have a look what the booklet for
XYZ(59.7593, 56.0378, 15.0748)
contains.

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Color

**XYZ(59.7918, 56.1055,
15.0752)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB84F
RGB	255, 184, 79
RGB Percent	100%, 72%, 31%
CMY	0.0000, 0.2784, 0.6902
CMYK	0.00, 0.28, 0.69, 0.00
HSL	36°, 100%, 65%
HSV	36°, 69%, 100%
XYZ	59.7918, 56.1055, 15.0752
YIQ	193.2590, 76.0210, -17.6030

Conversions

Conversions Part 2

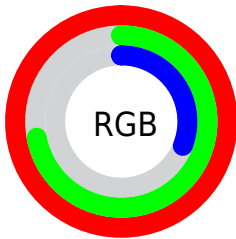
Format	Color
R_{YB}	198, 255, 79
Decimal	16758863
CIE _{Lab}	79.67, 16.03, 61.49
CIE _{LCh}	80, 63.545, 75.385
Yxy	56.1055, 0.4565, 0.4284
Android (android.graphics.Color)	4294948943 (0xFFFFB84F)
YUV	193.2590, -56.3297, 54.1469
Hunter-Lab	74.9036, 11.4063, 40.4997

Details

The XYZ color **59.7918, 56.1055, 15.0752** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **32.1802, 30.6936, 98.8356**, and the grayscale version is **51.1323, 53.7951, 58.5829**.

A 20% lighter version of the original color is **76.6337, 85.2736, 34.6107**, and **30.4998, 27.7561, 4.4594** is the 20% darker color. If you saturate the color by 10%, you get **56.9762, 51.6859, 10.4026**, and if you desaturate by 10%, it is **63.1211, 60.9837, 21.6753**.

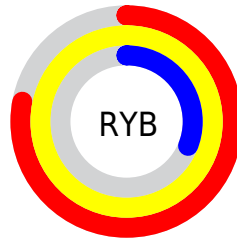
Distribution



Red (100%)

Green (72%)

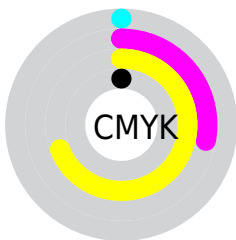
Blue (31%)



Red (78%)

Yellow (100%)

Blue (31%)

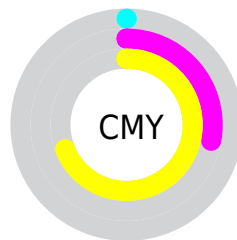


Cyan (0%)

Magenta (28%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (28%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.7918, 56.1055, 15.0752 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 59.7918, 56.1055, 15.0752 by changing the saturation by 10% instead.


 59.7918, 56.1055,
15.0752


 59.7918, 56.1055,
15.0752


413.6770,
410.0890, 235.4774

 43.4997, 40.2875,
8.7250


 103.6357, 99.1588,
35.7292

 30.4736, 27.7628,
4.4679


 131.9181,
127.1629, 50.8701


 20.3482, 18.1469,
1.8854


 164.9280,
159.9979, 69.7782

 12.7581, 11.0555,
0.4834

 203.0307,
198.0481, 92.8722

 7.3380, 6.1042,
0.0000

 246.5916,
241.6979, 120.5706

 3.7226, 2.9085,
0.0000

295.9760,

 1.5464, 1.0842,

291.3317, 153.2919

0.0000

351.5494,
347.3339, 191.4546

■ 0.3571, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.7918, 56.1055,
15.0752

■ 59.7918, 56.1055,
15.0752

■ 56.9762, 51.6859,
10.4026

■ 63.1211, 60.9837,
21.6753

■ 54.6240, 47.6928,
7.4255

■ 67.0000, 66.3332,
30.3924

■ 52.6691, 44.0966,
5.8074

■ 71.4646, 72.1755,
41.3969

■ 52.4906, 43.7615,
5.6803

■ 76.5466, 78.5283,
54.8406

82.2752, 85.4078,
70.8623

88.6772, 92.8294,
89.5900

95.0498, 99.9999,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.5817, 56.1055, 23.3551



59.7918, 56.1055, 15.0752



47.0503, 56.1055, 15.1720

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



59.7918, 56.1055, 15.0752



32.9149, 56.1055, 81.7989



72.8696, 56.1055, 125.3004

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



59.7918, 56.1055, 15.0752



32.1802, 30.6936, 98.8356

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



60.1376, 56.1055, 157.5722



59.7918, 56.1055, 15.0752



37.8190, 56.1055, 126.3858

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



59.7918, 56.1055, 15.0752



32.8528, 56.1055, 44.9506



47.3451, 56.1055, 158.0342



80.9138, 56.1055, 80.6913

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.7918, 56.1055, 15.0752



40.2877, 56.1055, 19.7155



47.3451, 56.1055, 158.0342



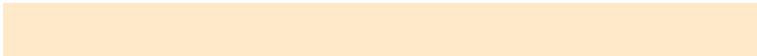
68.9129, 56.1055, 138.6180

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



59.7931, 56.1083, 15.0763



81.0877, 84.0024, 67.4766



49.7309, 29.1303, 32.8514



17.0112, 17.5682, 13.4704



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.7931, 56.1083, 15.0763



55.9872, 50.0463, 9.0284



73.2195, 90.6678, 21.0393



18.9106, 19.7895, 18.9674



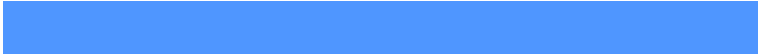
27.5779, 23.1670, 3.0182



2.7924, 2.4701, 0.3296

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32.1802, 30.6936, 98.8356



26.8750, 23.3692, 97.7020



25.4284, 15.1746, 96.1960



17.6045, 18.5805, 22.9085



12.0956, 9.1007, 50.5537



1.2814, 1.0936, 4.9568

Previews

White Background



This preview shows how the XYZ color 59.7918, 56.1055, 15.0752 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 59.7918, 56.1055, 15.0752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.7918, 56.1055, 15.0752

Background



This preview shows how black text looks on a background with the XYZ color 59.7918, 56.1055, 15.0752.



This preview shows how white text looks on a background with the XYZ color 59.7918, 56.1055,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

59.7918, 56.1055, 15.0752

Protanopia

51.2706, 56.2283, 16.3345

Deuteranopia

57.3644, 56.1093, 15.0145



Tritanopia

65.7350, 55.8985, 54.3386

Trichromacy



Original Color

59.7918, 56.1055, 15.0752

Protanomaly

54.1972, 56.0728, 15.9493

Deuteranomaly

58.2124, 56.2304, 14.9932

Tritanomaly

62.7054, 55.6383, 35.4513

Monochromacy



Original Color

59.7918, 56.1055, 15.0752

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

52.3999, 53.6928, 37.3077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7918, 56.1055, 15.0752 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 184, 79)` looks like.

```
.text, #text, p{  
  color:rgb(255, 184, 79)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 184, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 184, 79) }
```

Border

The CSS property to change the border of an element to XYZ 59.7918, 56.1055, 15.0752 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 184, 79) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 184, 79) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 184, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 184, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 184, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 184,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7918, 56.1055, 15.0752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 184, 79) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
184, 79) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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